

ISO SC4/WG10 STEP Modularization
PWI Status Report

Charleston WG10 Plenary

October 2000

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Agenda

- **Accomplishments since Bordeaux**
- **Project deliverables status update**

Accomplishments Since Bordeaux

- **STEP Modularization Strategy**
 - **WG10 review draft of STEP/SC4 Industrial Data Framework delivered**
 - **NIST Modules Repository DTD review**
 - **September workshop in Winter Park**
 - **Reviewed and resolved issues on**
 - Guidelines for application modules content
 - Guidelines for modularized application protocol content
 - Module development points within the AP development process
 - **Produced WG10 review document for:**
 - Guidelines for modularized application protocol content

Winter Park Workshop Agenda

- **Where we are**
 - **Bordeaux SC4 Modularization Resolution**
 - **Review of Deliverables**
 - **Planned Fall Deliverables**
- **Review and update of AM Content Guidelines**
- **Review and update of Modular AP Content Guidelines**
- **Review and update of AP/AM Development Process Guidelines**
 - **Grouping HTML modules for ballot**

Bordeaux SC4 Resolution

- "STEP Modules Harmonization Team" is planned
- "SC4 resolves to establish this team prior to the next meeting in Charleston, and directs them to commence work upon completion of the necessary guidelines by the PWI (see resolution 374)."
- "SC4 directs the PWI to complete the guidelines and submit them for standing document ballot no later than 2000-10-30."

Winter Park Guidelines Deliverables Details

- **Guidelines for the content of application modules**
 - No change since Revision 0.6 N221 dated 1998-12-23
 - Some updates based on DTS should be made
- **Application Module Development Points within the Application Protocol Development Process**
 - No change since Revision 0.2 N223 dated 1999-01-21
- **Guidelines for the content of application protocols using application modules**
 - No change since Revision 0.6 N222 dated 1998-12-21

Winter Park Workshop Results

- **Pending completion of editorial work, send each document to 4-week WG10 review followed by SC4 Standing Document ballot**
- **On STEP Modularization “Packaging Issue” WG10, if necessary will submit a resolution in Charleston**
 - **It appears this may not be necessary, we’ve checked with ISO and packages are allowed**
 - **SC4 Secretariat will include cover letter explaining the “package ballot”**
 - **The 40-50 modules will be balloted as 7-8 packages with a single Yes/No vote on each package**

Project Plan Status

As of October 2000

Status of Deliverables(1)

- **AM Development Guidelines**
 - Updates from September workshop underway
- **AM Validation Guidelines**
 - Initial IDEF activity model developed September 1998
- **AM/AP Integration/Harmonization Guidelines**
 - Now “Application Module Development Points within the Application Protocol Development Process”
 - Updates from September workshop underway
- **AM Development Recommended Practices**
 - New document starting from content in Framework

Status of Deliverables(2)

- **Guidelines for the content of application protocols using application modules**
 - WG10 4-week review document released
- **Overview Paper and Presentation**
 - Papers and presentations available
 - Another 1/2 day at Charleston ISO
- **Framework for AP/AM Categorization**
 - SC4 Industrial Data Framework
 - Published revision for review/overview in Bordeaux
 - New “Recommended Practices for Modules Developers”
 - No first draft yet
- **At least 2 example AM suites from different industries**
 - PDES, Inc. PDM planning ballot this year
 - EACM has adopted modular approach

Status of Deliverables(3)

- **Example AP using AM**
 - Small “parts catalog” AP and “big module” created at May workshop in London
 - It uses 15 of the PDM modules
- **AM Catalogue example/demonstrator**
 - Still separate demos of repository, catalogue, UoF library
- **Proposal for SC4 support processes**
 - Technical Specification ballot content/process agreed
 - “Foundation modules” belong to WG12, more application oriented belong to WG3 or JWG9
 - Recommendation for Harmonization Team approved by ISO at Bordeaux pending guidelines completion

Status of Deliverables(4)

- **Draft Part 1 amendment**
 - No owner identified
- **Impact paper Integrated and Common Resources**
 - First draft on team site
- **Impact paper Implementation Methods**
 - First draft on team site
 - if EXPRESS amendment is approved, we need to amend these
 - Part 21 Edition 2 DIS approved
- **Impact paper EXPRESS-X**
 - First draft on team site
- **Impact paper EXPRESS-2**
 - EXPRESS modularization amendment DIS technically ready

Status of Deliverables(5)

- **Impact paper WG10 Data Architecture PWI**
 - brainstorming at London workshop
- **Impact paper on Vendors**
 - first draft on team site
- **Impact paper on Users**
 - First draft on team site

PWI Next Plans

- **Supporting NIST Modules Repository**
- **Complete Guidelines documents for WG10 review and SC4 ballot**
 - modules content
 - development process
 - modularized AP content
 - already out for WG10 review
- **Support PDM modules ballot**